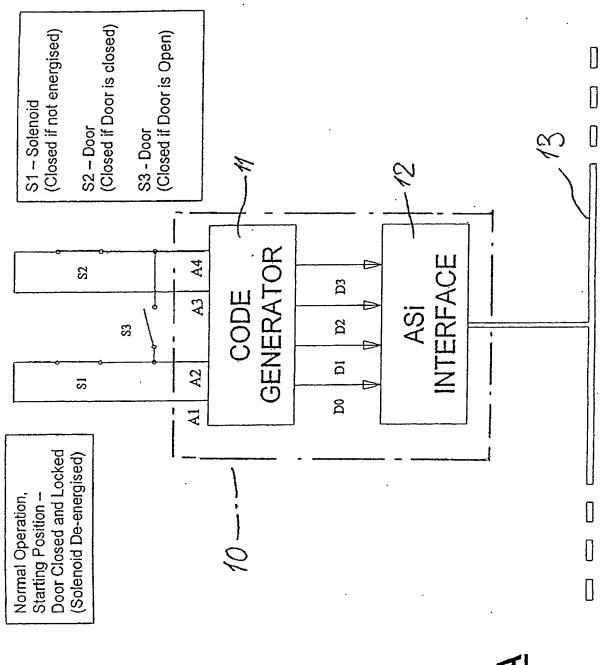
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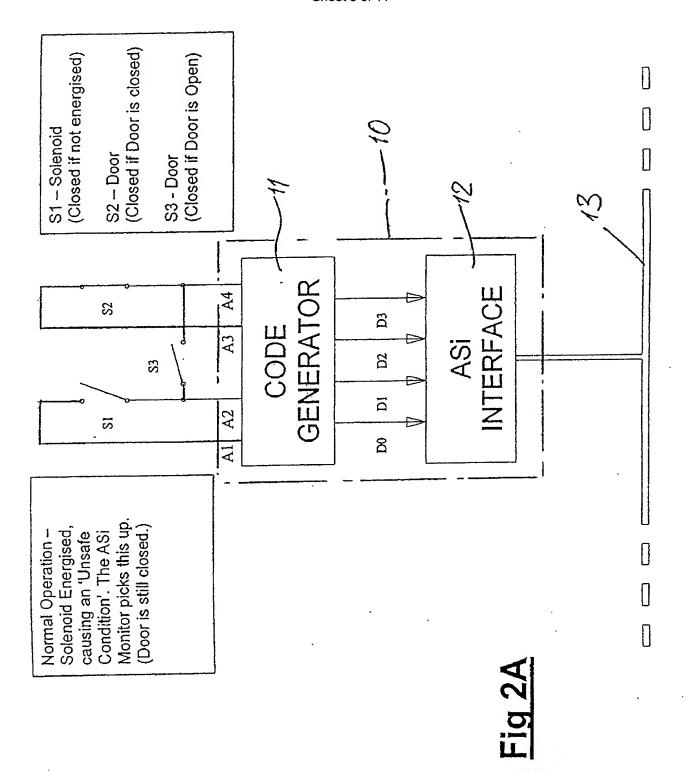
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	Data	Description
Data applied on A1:	1001	First Code nibble.
Data applied on A3;	1010	Second Code nibble.
Data received on A2:	1001	Same as transmitted on A1, therefore 'Healthy'.
Data received on A4:	1010	Same as transmitted on A3, therefore 'Healthy'.
Data sent on D0-D3 to	10011010	D0-D3 to 10011010 (The second nibble is always different from the first.)
AS-l interface:		

Fig 1E

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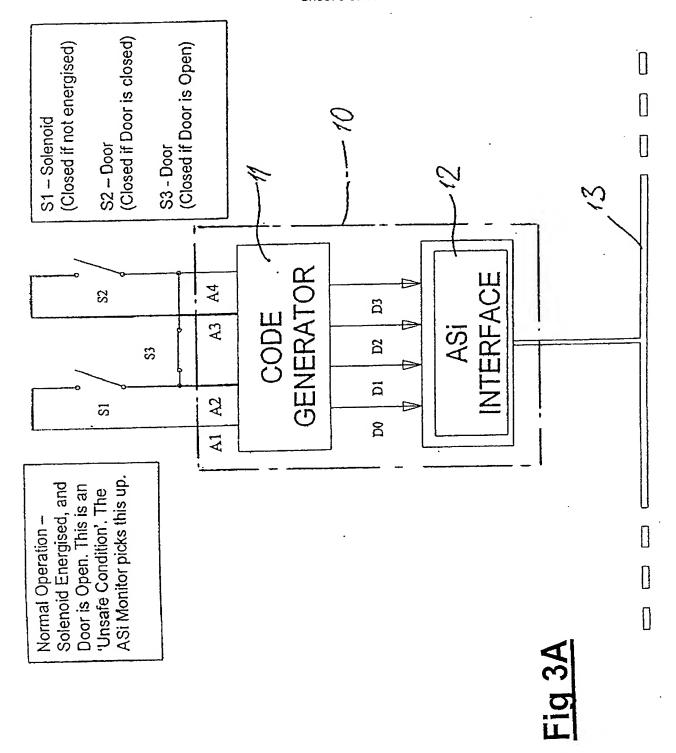


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	Data	Description
Data applied on A1:	1001	First Code nibble.
A3:	1010	Second Code nibble.
Data received on A2: 0000	0000	Data bits on A1 are suppressed, therefore this is an 'Unsafe condition'
Data received on A4: 1010	1010	Same as transmitted on A3, therefore 'Healthy'.
ı	00001010	0-D3 to 00001010 At least 1 data bit is suppressed, causing the ASi monitor to
AS-i interface:		stop. ASi monitor knows 'Channel 1' has been operated.

Fig 2E

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	Data	Description
Data applied on A1;	1001	First Code nibble.
Data applied on A3:	1010	Second Code nibble. This is always different from the first
Data received on A2:	0000	Data bits from A1 are suppressed, therefore this is an Unsafe condition,
Data received on A4: 0000	0000	Data bits from A3 are suppressed, therefore this is an 'Unsafe condition'
Data sent on D0-D3 to AS-i interface:	00000000	Data sent on D0-D3 to 00000000 At least 1 data bit is suppressed, causing the ASi monitor to AS-i interface:
		Oberated

Normally the Actuator would be re-inserted into the head of the interlock unit and the cycle would recommence from sheet 1. However, if someone tries to break the sequence, or a fault occurs, it will be detected instantly.

Fig 3B

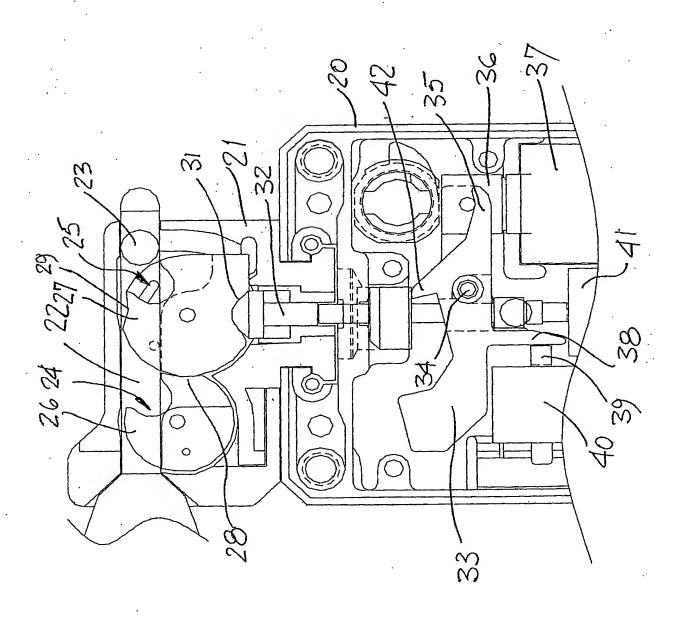
Sheet 7 of 11 S2 - Door (Closed if Door is closed) (Closed if not energised) S3 - Door (Closed if Door is Open) S1 - Solenoid GENERATOR A4 INTERFACE 82 D3 CODE A3 ASi **D**2 83 ū A2 S ደ A1 Door Closed and Locked but a cross connection is - Solenoid De-energised Abnormal Operation, made or S3 closes,

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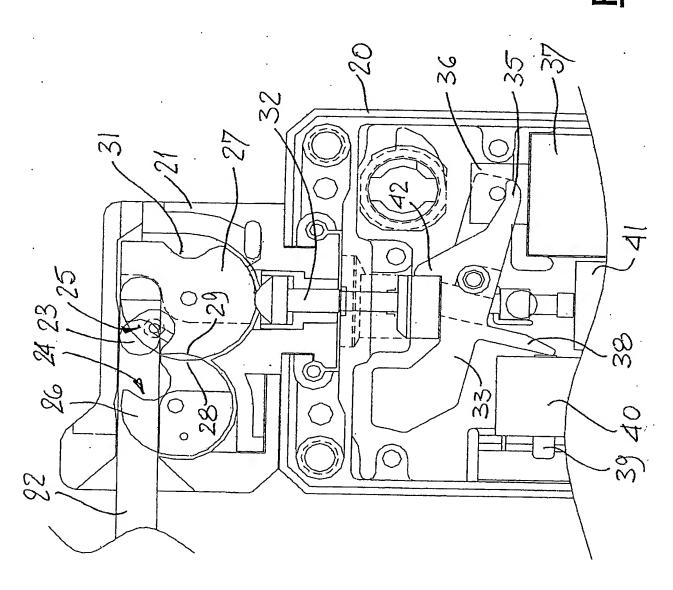
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	Data	Description
Data applied on A1:	1001	First Code nibble.
Data applied on A3:	1010	Second Code nibble. This is always different from the first.
Data received on A2:	1000	Some data bits have been suppressed. The data received
		is not the same as transmitted on A1, therefore this is an Unsafe condition'.
Data received on A4:	1000	Some data bits have been suppressed. The data received
		is not the same as transmitted on A3, therefore this is an 'Unsafe condition'.
Data sent on D0-D3 to	10001000	Data sent on D0-D3 to 10001000 At least 1 data bit is suppressed, causing the ASi monitor to
AS-i interface:		stop. ASi monitor knows a fault has occurred.

Fig 4B



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